

FORM PTO-1449
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
100103.406

APPLICATION NO.
10/090,458

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT
Hongyun Chen and Stéphane Le Bihan

FILING DATE
March 1, 2002

GROUP ART UNIT
1645 / 1646

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO
OC AB	WO 98/48784	11/05/98	WIPO	

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	Allikmets et al., "Mutation of the Stargardt disease gene (<i>ABCR</i>) in age-related macular degeneration," <i>Science</i> 277(5333):1805-1807, September 19, 1997.
AD	Ambudkar et al., "Biochemical, cellular, and pharmacological aspects of the multidrug transporter," <i>Annu. Rev. Pharmacol. Toxicol.</i> 39:361-398, 1999.
AE	Bodzioch et al., "The gene encoding ATP-binding cassette transporter 1 is mutated in Tangier disease," <i>Nature Genetics</i> 22:347-351, August 1999.
AF	Boer et al., "Modulation of P-glycoprotein mediated drug accumulation in multidrug resistant CCRF VCR-1000 cells by chemosensitisers," <i>European Journal of Cancer</i> 32A(5):857-861, May 1996.
AG	Borst, "Introduction: Multidrug resistant proteins," <i>Seminar in Cancer Biology</i> 8(3):131-134, June 1997.
OC AH	Brooks-Wilson et al., "Mutations in <i>ABCI</i> in Tangier disease and familial high-density lipoprotein deficiency," <i>Nature Genetics</i> 22(4):336-345, August 1999.
AI	Connop et al., "Novel Effects of FCCP [Carbonyl Cyanide <i>p</i> -(Trifluoromethoxy)phenylhydrazone] on Amyloid Precursor Protein Processing," <i>J. Neurochem.</i> 72(4):1457-1465, April 1999.
AJ	Games et al., "Alzheimer-type neuropathology in transgenic mice overexpressing V717F β -amyloid precursor protein," <i>Nature</i> 373(6514):523-527, February 9, 1995.
AK	Goate et al., "Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease," <i>Nature</i> 349(6311):704-706, February 21, 1991.
AL	Hamon et al., "Interleukin-1 β secretion is impaired by inhibitors of the Atp binding cassette transporter, ABC1," <i>Blood</i> 90(8):2911-2915, October 15, 1997.
AM	Hardy and Gwinn-Hardy, "Genetic classification of primary neurodegenerative disease," <i>Science</i> 282(5391):1075-1079, November 6, 1998.
AN	Higgins, "The ABC of Channel Regulation," <i>Cell</i> 82(5):693-696, September 8, 1995.
AO	Higgins, "Volume-activated chloride currents associated with the multidrug resistance P-glycoprotein," <i>J. Physiol.</i> 482:31S-36S, January 1995.

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO-439
(REV.7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

100103.406

APPLICATION NO.

10/090,433

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT

Hongyun Chen and Stéphane Le Bihan

FILING DATE

March 1, 2002

GROUP ART UNIT

1645 1646

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BA						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION
			YES NO
BB			

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BC	Ling, "Multidrug resistance: molecular mechanisms and clinical relevance," <i>Cancer Chemother. Pharmacol.</i> 40(Suppl.):S3-S8, 1997.
BD	Mills et al., "Regulation of amyloid precursor protein catabolism involves the mitogen-activated protein kinase signal transduction pathway," <i>J. Neuroscience</i> 17(24):9415-9422, December 15, 1997.
BE	Mosser et al., "Putative X-linked adrenoleukodystrophy gene shares unexpected homology with ABC transporters," <i>Nature</i> 361(6414):726-730, February 25, 1993.
BF	Nakamura et al., "Polymorphisms of the human homologue of the <i>Drosophila</i> white gene are associated with mood and panic disorders," <i>Mol. Psychiatry</i> 4(2):155-162, March 1999.
BG	Patel and Latterich, "The AAA team: related ATPases with diverse functions," <i>Trends Cell Biol</i> 8(2):65-71, February 1998.
BH	Riordin et al., "Identification of the Cystic Fibrosis Gene: Cloning and Characterization of Complementary DNA," <i>Science</i> 245(4922):1066-1073, September 8, 1989.
BI	Rust et al., "Tangier disease is caused by mutations in the gene encoding ATP-binding cassette transporter 1," <i>Nature Genetics</i> 22(4):352-355, August 1999.
BJ	Schinkel et al., "Disruption of the mouse <i>mdr1a</i> P-glycoprotein gene leads to a deficiency in the blood-brain barrier and to increased sensitivity to drugs," <i>Cell</i> 77(4):491-502, May 20, 1994.
BK	Suzuki et al., "An increased percentage of long amyloid β protein secreted by familial amyloid β protein precursor (β APP ₇₁₇) mutants," <i>Science</i> 264(5163):1336-1340, May 27, 1994.
BL	Thomas et al., "Mutations in the sulfonyleurea receptor gene in familial persistent hyperinsulinemic hypoglycemia of infancy," <i>Science</i> 268(5209):426-429, April 21, 1995.
BM	Wolozin and Behl, "Mechanisms of Neurodegenerative Disorders: Part 1: Protein Aggregates," <i>Arch. Neurol.</i> 57(6):793-796, June 2000.
BN	Zagotta and Siegelbaum, "Structure and function of cyclic nucleotide-gated channels," <i>Annual Rev. Neurosci.</i> 19:235-263, 1996.

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DATE CONSIDERED

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FORM PTO-1449
(REV.7-80)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
100103.406

APPLICATION NO.
10/090,455

**SUPPLEMENTAL INFORMATION DISCLOSURE
STATEMENT**

(Use several sheets if necessary)

APPLICANTS

Hongyun Chen and Stephane Le Bihan

FILING DATE

March 1, 2002

GROUP ART UNIT

1645

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
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FOREIGN PATENT DOCUMENTS

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06/20/03

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FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
100103.406APPLICATION NO.
10/090,455**SECOND SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

(Use several sheets if necessary)

APPLICANTS

Hongyun Chen and Stéphane Le Bihan

FILING DATE

March 1, 2002

GROUP ART UNIT
1646**U.S. PATENT DOCUMENTS**

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
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AII						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
AJ					
AK					
AL					
AM					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

OC	AN	Allikmets, R. et al., "Characterization of the human ABC superfamily: isolation and mapping of 21 new genes using the Expressed Sequence Tags database," <i>Human Molecular Genetics</i> 5(10): 1649-1655, 1996.
OC	AO	EMBL Online Database, Accession No. AJ300465, November 24, 2000.
OC	AP	EMBL Online Database, Accession No. AL137563, January 27, 2000.
OC	AQ	Engel, T. et al., "The Human ABCG4 Gene Is Regulated by Oxysterols and Retinoids in Monocyte-Derived Macrophages," <i>Biochemical and Biophysical Research Communications</i> 288: 483-488, 2001.

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